



Missouri
Department of
Natural Resources

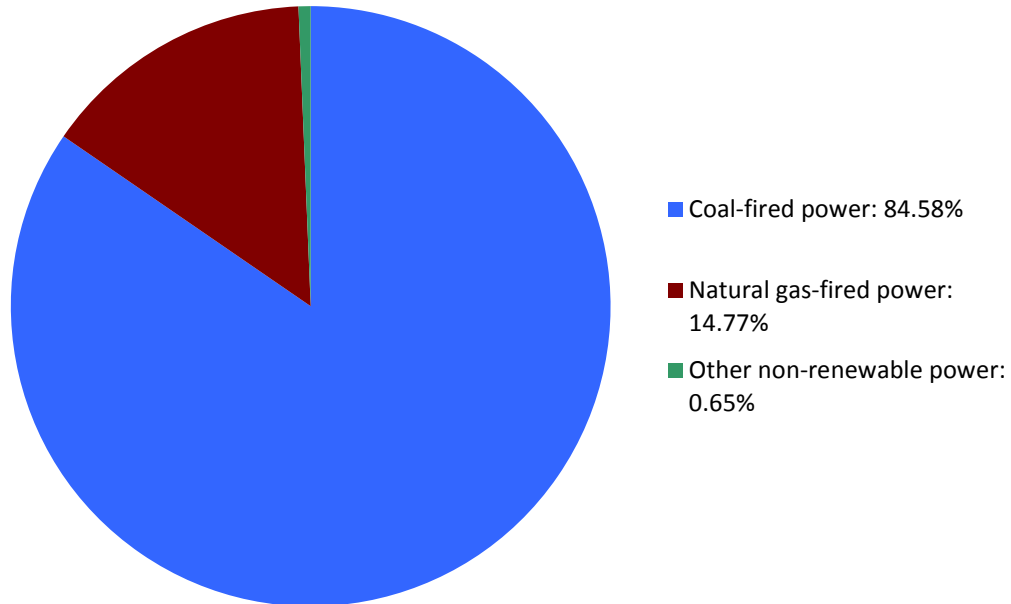
Power Plant: Lake Road
Plant Owner: KCP&L Greater Missouri Operations Co
Power generated in 2009 from non-renewable and renewable sources

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power	7,270,148	83.40%		396,690	84.68%	
Natural gas-fired power	1,389,701	15.94%		69,282	14.79%	
Oil-fired power	3,458	0.04%		-542	-0.12%	
Nuclear power						
Other non-renewable power	54,367	0.62%		3,054	0.65%	
Non-renewable total	8,717,674	100.00%	100.00%	468,483	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	8,717,674		100.00%	468,483		100.00%

Fuel Type	Physical Units	Number of Units
Bituminous Coal	Short Tons	53,524
Sub-Bituminous Coal	Short Tons	351,475
Natural Gas	Mcf	1,389,701
Distillate Fuel Oil	Barrels	596
Tire-Derived Fuel	Short Tons	3,041



Net Generation by Fuel Type, 2009 for Lake Road





Lake Road
Emissions from Electricity Generated in 2009

Plant	Carbon Dioxide(CO2) (Tons)	Carbon Monoxide(CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
Lake Road	559,084.52	139.36	1.58	2,577.19	2,400.85

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
Lake Road	21.99	40.89	23.03	NV

'NV' = Emissions value not available.



Pollution controls installed on Lake Road

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Lake Road	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Lake Road	No NOX Controls Installed			

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/cneaf/electricity/page/eia906_920.html